

8-08 RUMBLE STRIPS**8-08.1 Description**

This Work consists of constructing centerline and Shoulder rumble strips by grinding hot mix asphalt. The Work shall include cleanup and disposal of cuttings and other resultant debris. The Standard Plans show the patterns and construction details for the centerline rumble strip and the 4 types of Shoulder rumble strips.

8-08.2 Vacant**8-08.3 Construction Requirements**

The equipment shall have a rotary type cutting head or series of cutting heads capable of grinding 1 or more recesses in the hot mix asphalt as detailed in the Standard Plans. The difference in the surface texture between the high and low surfaces from the grinding shall not exceed $\frac{1}{8}$ -inch.

Rumble strips shall not be constructed on bridge decks, bridge approach slabs, or cement concrete surfaces. In areas where monuments, drainage Structures, induction loop lead-ins, pavement markings or other features will not allow the rumble strips to be constructed as detailed, the rumble strips shall be eliminated or relocated as approved by the Engineer.

The traveled lanes shall be kept free of cuttings and other construction debris at all times. Immediately upon completion of rumble strip grinding, all cuttings, grinding debris, dust, and other loose materials shall be removed from the rumble strips and Shoulder areas. All cuttings and other debris shall become the property of the Contractor and be disposed of outside the project limits. Cuttings and other debris shall not be allowed to enter any waterways.

When shown in the Plans, the rumble strips shall be fog sealed in accordance with the requirements of Section 5-04.3(19) following the completion of the Shoulder rumble strip. All pavement markings, junction boxes, drainage Structures, and similar objects located in the Shoulder shall not be fog sealed.

The accumulative error in the longitudinal spacing of the rumble strips and the gaps, when required, shall not exceed plus or minus 5-percent.

8-08.4 Measurement

Centerline and shoulder rumble strips will be measured to the nearest 0.01-mile along the mainline roadway for centerline or each shoulder. No deductions will be made for required gaps shown on the Standard Plans or for the elimination of rumble strips across bridge decks, bridge approach slabs, cement concrete areas, or other areas approved by the Engineer.

Fog sealing, when shown in the Plans, will be measured as asphalt for fog seal in accordance with Section 5-04.4.

8-08.5 Payment

“Shoulder Rumble Strip Type ___”, per mile.

“Centerline Rumble Strip”, per mile

Layout of the rumble strip pattern on the centerline or Shoulders for grinding purposes is the responsibility of the Contractor. All costs involved in this Work shall be included in the appropriate Bid item.

Payment for fog sealing the Shoulder, when shown in the Plans, shall be paid as asphalt for fog seal in accordance with Section 5-04.5.